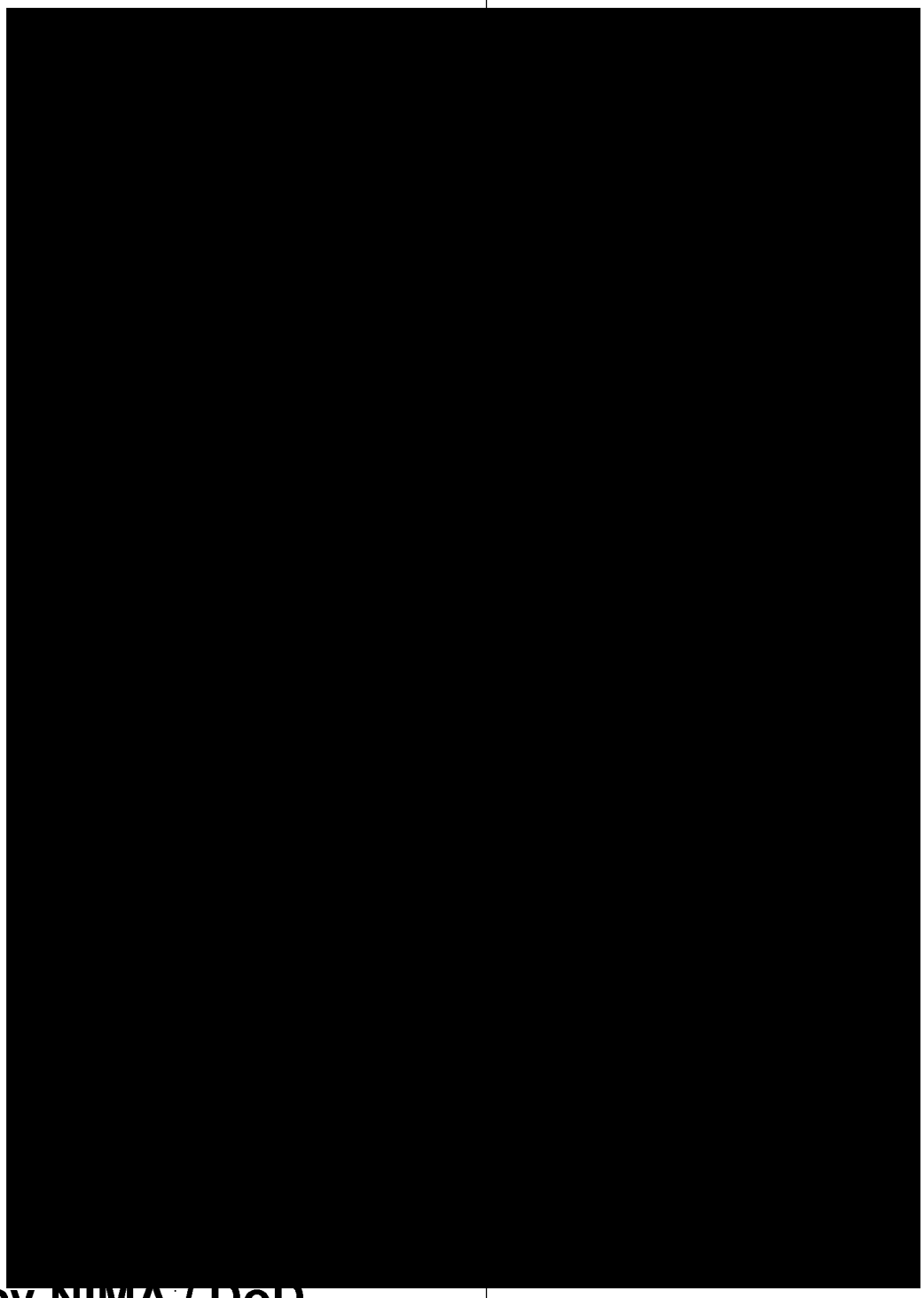

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OPERATING AND MAINTENANCE INSTRUCTIONS FOR MOTORIZED FILM REWIND UNIT

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OPERATING AND MAINTENANCE INSTRUCTIONS
FOR
MOTORIZED FILM REWIND UNIT

GENERAL

The Motorized Film Rewind Unit was designed and developed to speed up film rewinding operations with large volumes of film.

This unit has the capability of handling the following variable film widths, one spool of 9-1/2 inch wide film, three 70 mm film spools or two 5 inch film spools concurrently at variable motor speeds with a maximum speed of 1000 ft./min (approximately 12000 RPM).

I. FILM TENSION

The left unit is provided with a variable film tensioning device with an adjustment knob located on the upper right side of the unwind unit. Tension of the film is increased by turning the knob clockwise and decreased by turning the knob counter clockwise.

II. ELECTRICAL CURRENT

Input Power 115 V AC 60

III. OPERATING INSTRUCTIONS FOR 9-1/2 INCH FILM SPOOL

1. Insert loaded film spool between centers of the unwind assembly L200-100-597 and secure the reel by tightening the clamping screw of the tail stock.
2. Install the collapsible take-up spool assembly L200-100-699 between the centers of the right hand wind unit L200-100-596 and tighten clamping knob of the tail stock.
3. Feed film from the left hand unwind spool under the tension arm of the wind assembly and insert the end of the film in one of the slots of the collapsible spool and wrap film for a minimum of two turns by hand.

NOTE:

4. Unwind unit cannot be turned unless the safety switch is in the off position. Check to be sure that the tension arm is held up from the micro switch and on top side of the film.
5. Close safety hood to close interlock switch. Move safety switch located on the right side of the cabinet to the "On" position. Turn dial of the control switch counter clockwise to the extreme position. Energize - "on" push button and increase speed as desired by turning speed knob clockwise.
6. Operation of the drive equipment will automatically cease when the collapsible spool is loaded, by the tension arm contacting the micro switch. If desired the reel can be stopped by energizing the power - "off" button or by lifting the safety hood.
7. In the event the film breaks during the rewind cycle the operation is automatically stopped.

IV. OPERATING INSTRUCTIONS FOR TWO 5 INCH FILM SPOOLS

A. Installation Procedure

1. Insert one 5 inch loaded spool on the centering attachment.
2. Install coupling plate in the right hand side of the loaded spool.
3. Insert the second 5 inch spool on the pins of the coupling and secure the spools by tightening the clamping screws of the head stock.
4. One 1/8 inch wide spacer is provided to separate the film on the collapsible rewind spool.

NOTE:

Operation of the equipment for rewinding two 5 inch film spools shall be performed as described in Paragraph III-1 through III-6.

V. OPERATING INSTRUCTIONS FOR THREE 70 MM FILM SPOOLS

A. Installation Procedure

1. Insert one 70 mm loaded film spool on the centering attachment of the left hand unwind unit.

2. Insert coupling on the opposite side of the spool.
3. Insert the next spool on the pins of this coupling.
4. Install second coupling on opposite end of the second reel.
5. Install third reel and secure the three spools by tightening the clamping screws of the tail stock.
6. Two 1/4 inch wide spacers are provided to separate the film on the collapsible rewind spool.

NOTE:

Operation of the equipment for rewinding three 70 mm spools shall be performed as described in Paragraph III-1 through III-6.

VI. REMOVAL OF FILM FROM THE COLLAPSIBLE SPOOL

1. Loosen the head stock clamp and remove the collapsible spool assembly from the unit.
2. Support the spool on a flat surface with the removable flange (marked red) up.
3. Depress the center of the spool; and pull the flange straight up.
4. Invert the spool with the hub pointing toward the floor. A shaking action collapses the hub diameter which allows easy removal of the film.
5. To assemble the spool, press the flange in place.

MAINTENANCE

The equipment was designed to operate with a minimum of maintenance.

LUBRICATION

A. Chain

Bruce lubricate with MIL G-18709, grease every forty hours of operation.

B. Pillow Block Bearings

Lubricate with MIL G-18709, grease every 200 hours of operation. Apply grease with grease gun.

C. Ball Bearings

Ball bearings have been lubricated for life at the factory and do not require lubrication.

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